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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/766,488

01/29/2004

Shin Ishibashi

31238-200393

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26694 7590 04/19/2007  
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EXAMINER

SANGHAVI, HEMANG

ART UNIT

PAPER NUMBER

2874

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
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2 MONTHS

04/19/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/766,488

Applicant(s)

ISHIBASHI ET AL.

Examiner

Hemang Sanghavi

Art Unit

2874

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 27 February 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 61-65, 69-85, 89-168 and 170-185 is/are pending in the application.
- 4a) Of the above claim(s) 122-127, 158-162 and 182-185 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 61-65, 69-85, 89-121, 128-157, 163-168, 170-181 is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

This application is in condition for allowance except for the following formal matters:

Receipt of the amendment filed on February 27, 2007 has been acknowledged.

The amendment filed February 27, 2007 proposes no changes to the pending claims that do not comply with 37 CFR 1.173(b), which sets forth the manner of making amendments in reissue applications. The matter to be added by reissue must be underlined. Since the listing of claims filed with amendment to the claims replace all prior version of claims in this claims, all the claims added to the reissue application must be completely underlined. Claims 59-63 and 89-140 must be underlined. A supplemental paper correctly amending the reissue application is required.

This application is in condition for allowance except for the presence of claims 122-127, 158-162, and 182-185 directed to an invention constructively non-elected and withdrawn from consideration. If a division application has been filed for the non-elected claims, further action in this application will be suspended pending resolution of the divisional application. See 37 CFR 1.176(b). If no divisional application has been filed, claims should be canceled in response to this Office action.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

The previously applied rejections rejecting the amendment under 35 U.S.C. 132(a) and under 35 U.S.C. 112 have been withdrawn as applicant has provided support for the subject matter in the original specification as noted at pages 39-40 of the remarks field February 27, 2007.

***Allowable Subject Matter***

Claims 61-65, 69-85, 89-121, 128-157, 163-168 and 170-181 are allowed over the prior art of record.

The following is a statement of reasons for the indication of allowable subject matter: As to claims 61-64, 69, 80, 82, 89, 100, 102, 106, 128, 139, 163, 166, 170-172, 176, 178, and 180, the prior art fails to disclose or suggest the claimed fiber optic module including laser diode electrical signal conversion means for converting serial data received from the mother board to a laser diode electric signal for a laser diode and photo diode electric signal conversion means or semiconductor integrated circuit for converting the photo diode electric signal to photo diode serial data in combination with other claimed limitations. Applicant's arguments filed February 27, 2007 are persuasive with respect to Block (US 5,039,194.) reference (see pages 41-49 of the remarks).

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hemang Sanghavi whose telephone number is (571) 272-9955. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney Bovernick can be reached on (571) 272-2344. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Hemang Sanghavi  
Primary Examiner  
Art Unit 2874

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